

County of San Diego Construction and Demolition Recycling Ordinance

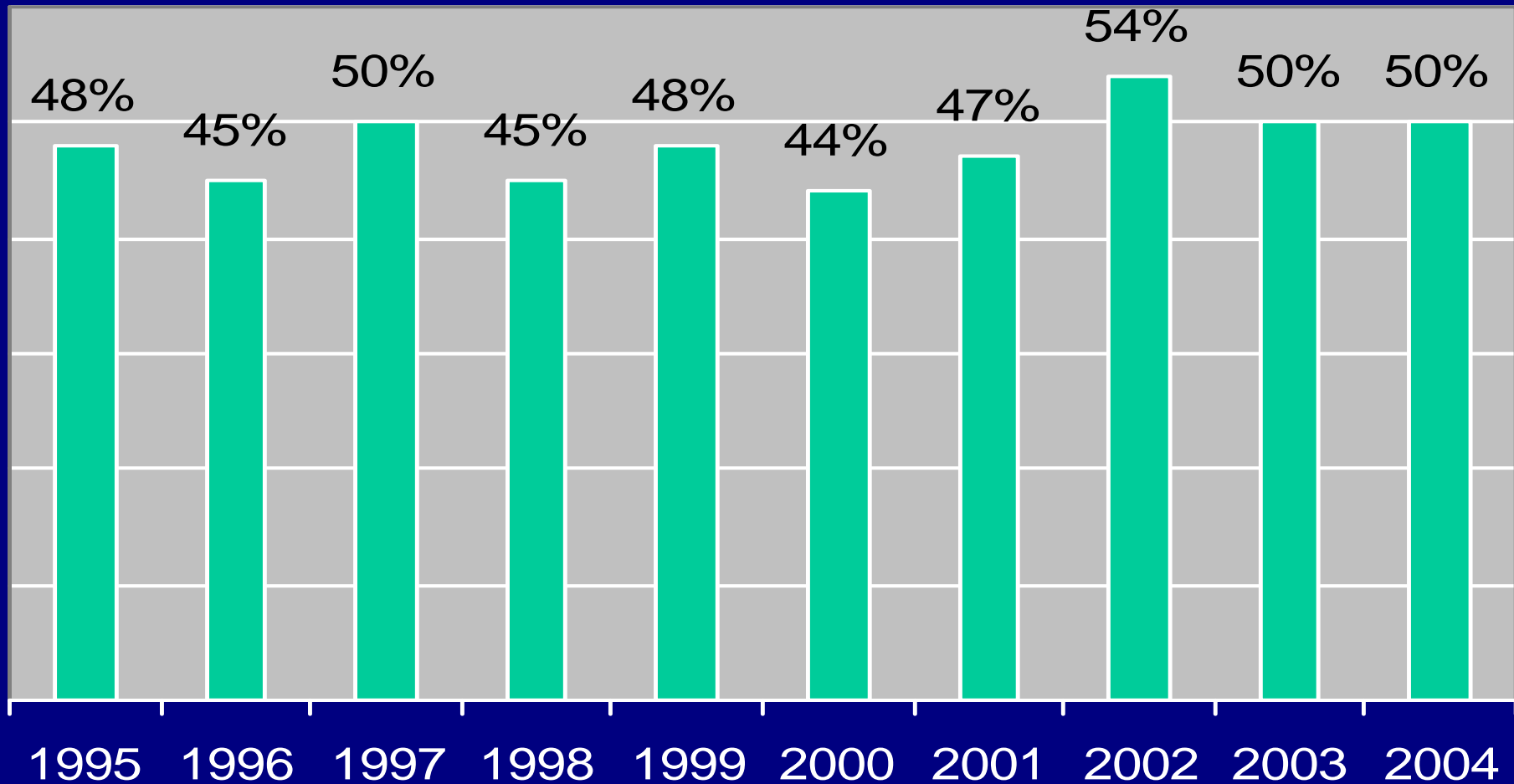




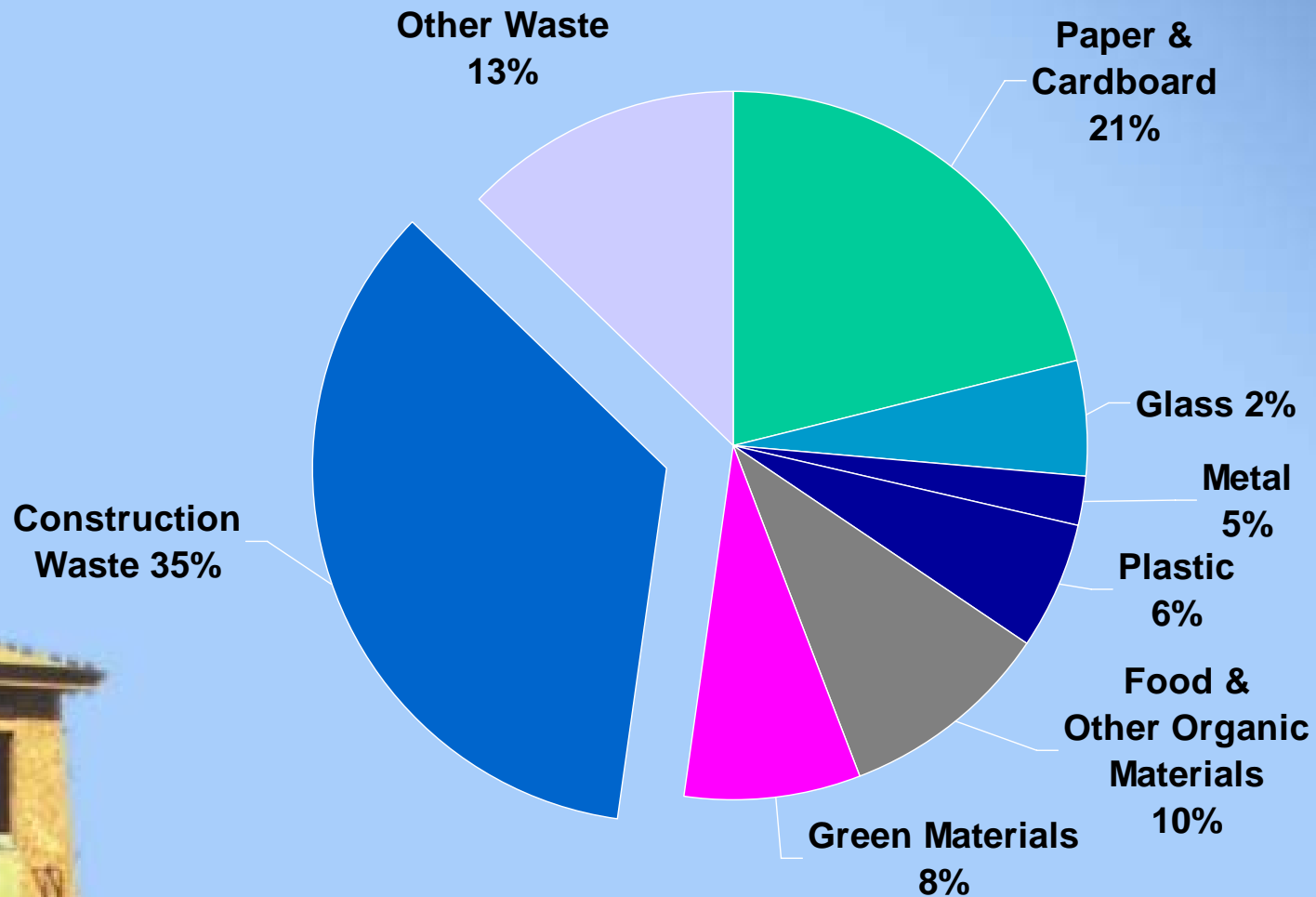
Tons per Year



Unincorporated County AB 939 Recycling Rates 1995-2004



What is in the Landfill?



County Recycling Programs

- Commercial Recycling
 - Assistance – Green Business – Schools – Agricultural
- Construction & Demolition
 - Technical Assistance Grant – Siting and Processor Assistance
 - County Roads Departments ~25,000 tons annually
- Organics
 - Large Scale and Home Composting
- Residential Recycling
 - Multifamily – Hauler Assistance – Rural Recycling – Cleanup Events
- Other Wastes
 - Tires – Motor Oil and Filters – Household Hazardous Waste
- Public Education
 - Toll-Free Recycling Hotline – School Presentations
- Enforcement
 - Mandatory Recycling Ordinance – Franchised Waste Haulers



Why C&D?

- 25-35% of the waste stream
 - At least 150,000 tons annually
- Easy to recycle
- AB 1374
- 2002 BOS approved the need for C&D ordinance





Other Jurisdictions

- Countywide Model Ordinance
 - Chula Vista
 - La Mesa
 - Carlsbad
 - Imperial Beach
 - Vista
 - Santee (policy)
 - Oceanside (policy)
 - City of San Diego (ordinance in process)
- Over 140 cities and counties statewide



Goals

- Meet State Mandates
 - Reduce Disposal
 - Increase Recycling Rate 4%
 - Active Program for C&D Recycling
- Preserve Landfill Capacity
 - 2011-Miramar and Ramona Landfills
- Provide Feedstock for C&D Recycling Facilities
- Recover Inert Materials



Does an Ordinance Work?

Landfill Tonnage Change

City	Year Ordinance Passed	1 st Year Post-Ordinance
Hayward	6%	-3%
La Canada Flintridge	-14%	-7%
Lynwood	-15%	-23%
Livermore	1%	-12%
Monterey Park	-23%	-13%
Oakland	-17%	-1%
San Jose	-7%	4%
Walnut Creek	18%	-17%



Benefits to Industry

- Saves disposal costs
- Comply with CEQA
- Green Building & LEED certification



Covered Projects

- ~35 Development Projects $\geq 40,000$ ft²*
 - New construction
 - Renovations, including conversions
 - Phased construction
 - Commercial
 - Multi-Family
 - County Projects

*Threshold may be reduced each year at the discretion of Director of DPW



Ordinance Overview

- Recycling and reuse are required
 - 90% Inerts
 - 50% Everything Else
 - 70% 1-Year Later



Applicant Process

1. Conditions of Approval for a building permit.
2. Complete [Waste Management Plan](#).
3. Deposit [security](#) to DPW Counter.
4. Help is here.
5. Plan approved.
6. Keep a log and submit [proof of recycling](#) every 30-days.
7. [Security returned](#).



Industry Considerations

- Standardized form
- Does not add cost
- Seamless permit integration



Final Step

- Board of Supervisors (January/February)



Contacts

Solid Waste Planning and Recycling

- Wayne Williams, Program Coordinator
 - Wayne.Williams@sdcounty.ca.gov Tel 858-874-4108
- Orelia DeBaal, Recycling Specialist II
 - Orelia.DeBaal@sdcounty.ca.gov Tel 858-874-4038



Additional Slides





Construction and Demolition Waste Management Plan



Part 1
Complete this section before obtaining a building or demolition permit. Submit this form and your recycling security to the Department of Public Works Building Counter when paying permit fees.

Permit # _____ Project Name (If applicable) _____

Project Location _____ Address (Cross Street, Floor, Suite, etc) _____ City _____ Zip _____

Contact Name _____ Company Name _____

Mailing Address _____ Address _____ City _____ State _____ Zip _____

Phone _____ Fax _____ Email _____

Type of Project (check all that apply):
☐ New Construction ☐ Demolition ☐ Renovation ☐ Re-roof ☐ Single Family ☐ Commercial
☐ Multi-family-Proposed Units ☐ Tract Home-Proposed Total Build Out ☐ Other _____

Project Start Date _____ Completion Date _____ Project Square Footage _____

Part 2
Step 1 - Fill out the *Pre-Project* columns before the project begins with estimated waste quantities that will be generated by the project.
Step 2 - Once project is complete, fill out the *Post-Project* columns with actual tonnages from the project.
Note - Use the attached Materials Conversion Table to convert volumes to tons.
Requirement - Reduce the quantity of materials disposed at landfills by 90% for inerts and 50% for the rest (determined by weight).

Step 1 Pre-Project Estimates (TONS)				Step 2 Post-Project Actual (TONS)				
	TOTAL Waste Quantity	Salvage, Reuse, or Recycled	Disposal	TOTAL Waste Quantity	Salvage, Reuse, or Recycled	Disposal	Hauler	Recycling, Reuse, or Disposal Facility Name
Inerts	Asphalt & Concrete							
	Brick/Masonry/Tile							
	Dirt							
	Mixed Inerts ¹							
	Total Inert				A	B		
Other Materials	Cabinets, doors, fixtures, windows (circle all that apply)							
	Cardboard							
	Carpet							
	Padding/Foam (Carpet)							
	Ceiling Tile (acoustic)							
	Drywall (Used)							
	Drywall (New, unpainted or scrap)							
	Landscaping (brush, trees, stumps, etc.)							
	Mixed Recyclables ¹							
	Roofing Materials							
	Scrap Metal							
	Stucco, cement no wire							
	Unpainted wood & pallets							
	Trash							
	Other (describe)							
Total Other				C	D			
Total Inert + Other								

Notes
(1) Mixed items must be taken to an approved mixed processing facility.
(2) Asbestos, hazardous waste, treated wood, contaminated soil and other restricted materials require special handling.

To be Completed by County Staff
Waste Management Plan ☐ Approved ☐ Disapproved
Cash Guarantee Paid \$ _____ Date _____ Staff _____

After Project Completion

Part 3

Recycling Calculations

Inert Materials

Using the worksheet in Part 2, Step 2, fill in the blanks below to determine if you met the requirement to reduce inert material waste by 90%.

Total B _____ / Total A _____ = _____ X 100 = _____ %
recycling %

Is the percentage listed greater than or equal to 90%? If NO, explain why:

Other Materials

Using the worksheet in Part 2, Step 2, fill in the blanks in Item 2 below to determine if you met the requirement to reduce other material waste by 50%

Total D _____ / Total C _____ = _____ X 100 = _____ %
recycling %

Is the percentage listed greater than or equal to 50%? If NO, explain why:

Part 4

Complete this section after determining recycling totals. Submit with a copy of all recycling and disposal receipts, written statements or photographs documenting on-site reuse or other reuse or donation, and a copy of Part 1 of this form to apply for your refund.

Send completed form and all documentation to: County of San Diego
Solid Waste Planning and Recycling
Attn: C&D Recycling Coordinator
5469 Kearny Villa Road, Suite 305
San Diego, CA 92123

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Applicants must submit refund requests within 30 days following issuance of certificate of occupancy. Requests submitted after 180 days will not be eligible for a refund. Refunds will not be issued if all requested information and documentation is not provided. Refunds will be mailed within 90 days following receipt of all proper forms and documentations.

Section A

I certify under penalty of perjury under the laws of the State of California that the information provided in and with this form pertains to construction and demolition debris generated only from the project listed in Part 1, that I have reviewed the accuracy of the information, and that the information is true and correct to the best of my knowledge and belief.

Name _____ Title _____
Signature _____ Date _____

Section B

Complete this part only if the refund check is sent to a different person and address than that listed in Part 1. By signing my name, I hereby direct the C&D refund for this project to be sent to the person listed in Section C below.

Section C

Send refund to: Name _____ Address _____
City _____ State _____ Zip _____

For more information call County of San Diego Solid Waste Planning and Recycling Section at (858) 874-4038

To be Completed by County Staff

Recycling Refund Paid \$ _____ Date _____ Staff _____
☐ Full Compliance ☐ Good Faith Effort ☐ Non-Compliance

Security - \$0.20 per ft²



Project Size	Security
40,000 ft ²	\$ 8,000
50,000 ft ²	\$10,000
60,000 ft ²	\$12,000

Maximum = \$25,000

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SALES
IF YOU ARE NOT
THE USE OF SAFETY
REACH WITH THE
ALL THE TIME WHILE IT
IS ON THIS SITE.
FOR THE USE OF SAFETY
REACH WITH THE
ALL THE TIME WHILE IT
IS ON THIS SITE.

Receipt for Identification #1

ITEM	QUANTITY	DESCRIPTION
DIAMONDS		
FISHING TACKLE		
GUNS		
LUGGAGE		
SPOOLS		
GOO		
JEWELRY		

210 Market Street
Middletown, Delaware 19801

PHONE: 655-1511
TERMS: NET-10 D

DATE: 5/29/13

USER: Del. Auto Salvage
Ed. Tracy Russell

CASH	CBS	DEBIT	CHECK	AMOUNT	DATE



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Ordinance Outline

- Waste Management Plan
 - Estimates project's waste stream
 - Determines amounts to be recycled
 - Must recycle 90% of inerts and 50% of remainder
 - 70% 1-year later
- Compliance
 - Recycling documentation (receipts, photos, etc) within 180-days.
- Performance Security
 - Based on type of activity and size of the project.
 - Will be returned based on compliance with recycling requirements.
 - Unclaimed securities will be designated to be used for C&D related activities including technical assistance grants.



Security Benchmarks

Jurisdiction	Deposit
San Mateo City	New residential or comml= 50.00/T. Comml alt= 3% of cost of project but not to exceed 30K. Res alt= 3% of cost of project not to exceed 10K. Min. deposit 1,000.
Woodside	50.00/T for all projects, but not less than 5K.
Portola Valley	New residential or comml= 50.00/T. Comml alt= 3% of cost of project but not to exceed 30K. Res alt= 3% of cost of project not to exceed 10K. Min. deposit 1,000.
Alameda	Performance security deposit= 3% of project cost or 10K. This fee is waived if project less than 50.00. Contractor has 30 days from completion of project to submit report
San Francisco	Savings and revenues to be shared between City and Contractor
San Jose	Fee varies by project type and size. See fees below.

City of San Jose C&D Deposits

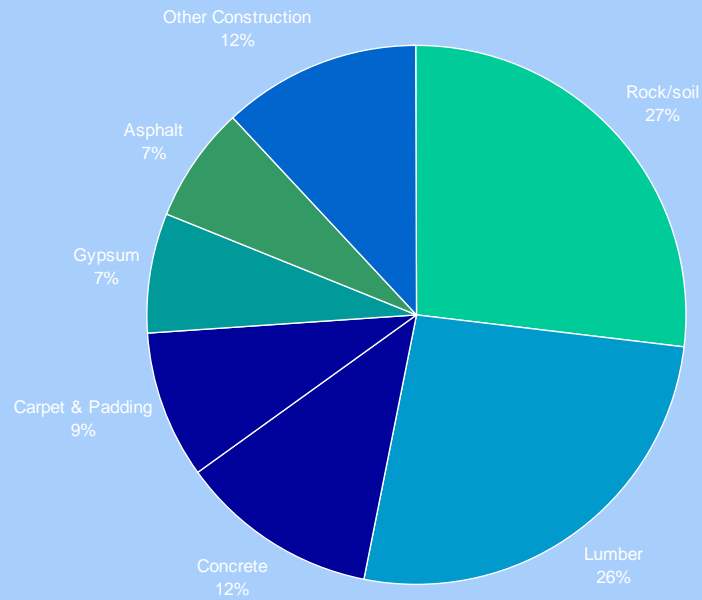
Building Segment	Deposit per Sq. Ft.	Minimum Valuation	Maximum Sq. Ft. Subject to Deposit
Residential new construction	\$0.20	\$115,000	125,000 detached
			100,000 attached
Non-residential new construction	\$0.10	\$135,000	25,000 commercial
			75,000 industrial
Residential alterations	\$1.16	\$2,000	None
Non-residential alterations	\$0.35	\$5,000	None
Residential demolition	\$0.35	\$5,000	None
Non-residential demolition	\$0.10	None	None
Flat Rate			
Roof project with tear-off	\$100.00	None	None

Maximum Security

Project Type	Maximum ft ² Subject to Security	Maximum Security
Residential	125,000 detached	\$25,000
	100,000 attached	\$20,000
Non-Residential	25,000 commercial	\$ 5,000
	75,000 industrial	\$15,000



C&D Composition



Source: Miramar Landfill Waste Composition

Waste Comp Comparison

Material	1999 Miramar Study	2003 CIWMB State Overall Disposed Waste Stream
Paper & Cardboard	21.2%	21%
Glass	2.1%	2.3%
Metal	5.2%	7.7%
Plastic	5.9%	9.5%
Food & Organic Waste	17.8%	30.2%
Construction Waste	34.9%	21.7%
Other Waste	12.9%	7.6%

